Making Pavement Preservation Pay: Highlights from the National Pavement Preservation Conference

TERRA Pavement Conference

Larry Galehouse, Director
National Center for Pavement
Preservation



National Center for Pavement

Bresenvation

- Established in 2003
- Sponsored by FP² Inc.
- Affiliated with Michigan State University, Department of Civil & Environmental Engineering
- Quasi-Governmental, Non-Profit Entity
- Focused on Outreach, Education, and Research
- Experienced Staff of Engineers with extensive agency backgrounds







The newspaper for members of the American Society of Civil Engineers

ASCE's Infrastructure Report Card Gives Nation a D, Estimates Cost at \$2.2 Trillion

that conferred four years ago, the projected | the report card components of our 2009 | The Society's 1998 infrastructure

Roads



Americans spend 4.2 billion hours a year stuck in traffic at a cost to the economy of \$78.2 billion, or \$710 per motorist. Poor conditions cost motorists \$67 billion a year in repairs and operating costs. One-third of America's major roads are in poor or mediocre condition and 45 percent of major urban highways are congested. Current spending of \$70.3 billion per year for highway capital improvements is well below the estimated \$186 billion needed annually to substantially improve conditions.

schedule. Although the overall grade given

ary 28, approximately two months ahead of | the importance of informing and contributing to this discussion in a timely manner, we by the "report card"-a D-is the same as | made an unprecedented decision to release

ASCE OFFERS SUGGESTIONS FOR ECONOMIC STIMULUS PLAN



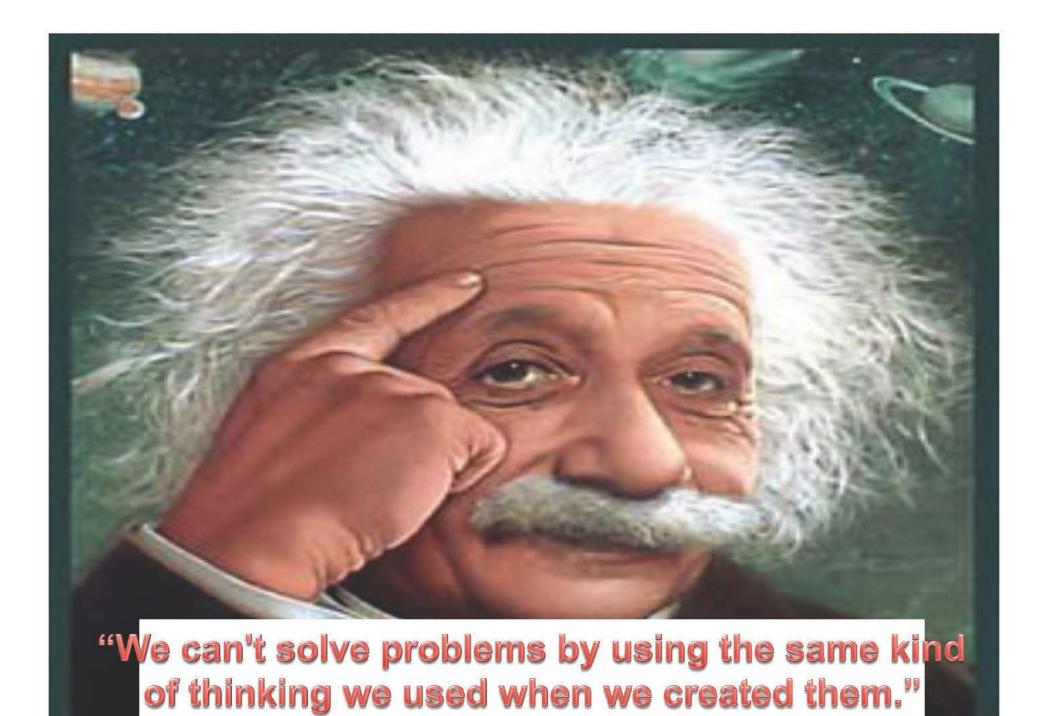
For decades, ASCE has attempted to turn attention of the nation's leader to commerce and bind us together." As a strong supporter of the president's plan, the Society has prepared a document entitled "Principles for Infrastructure Stimulus Investment" and presented it to Obama's transition team as well as to congressional leaders.

The principles were developed by ASCE craff members and by the reachly 80 routicia

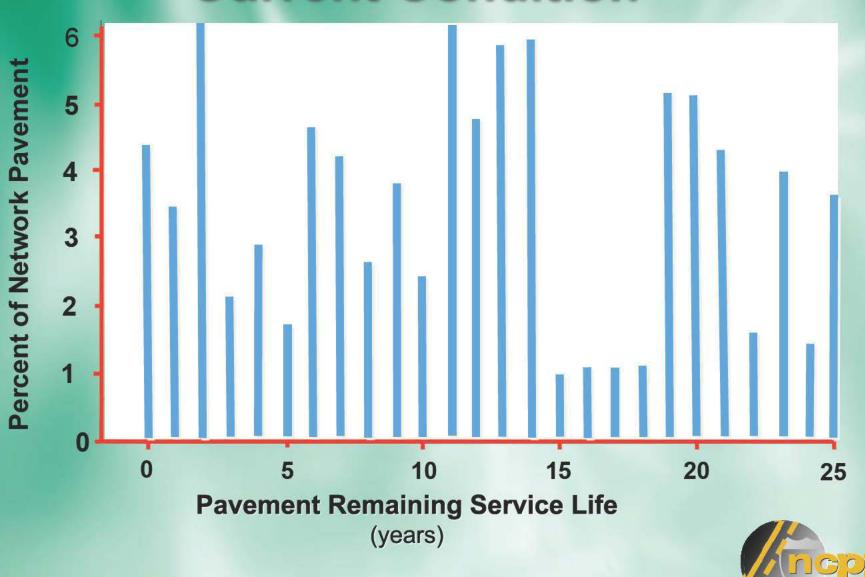


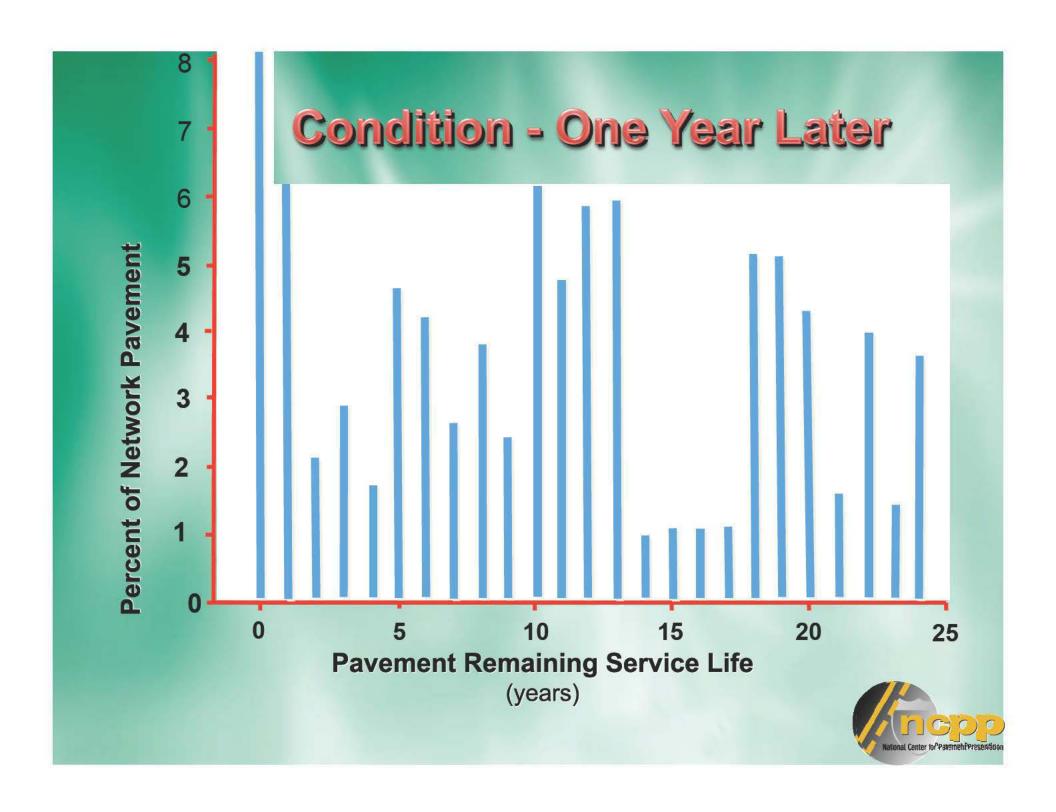
The Society released its 2009 Report Card for America's Infrastructure at the National Press Club, in on Wadnarday January 28 On hand to discuss the grades with inumal





Current Condition

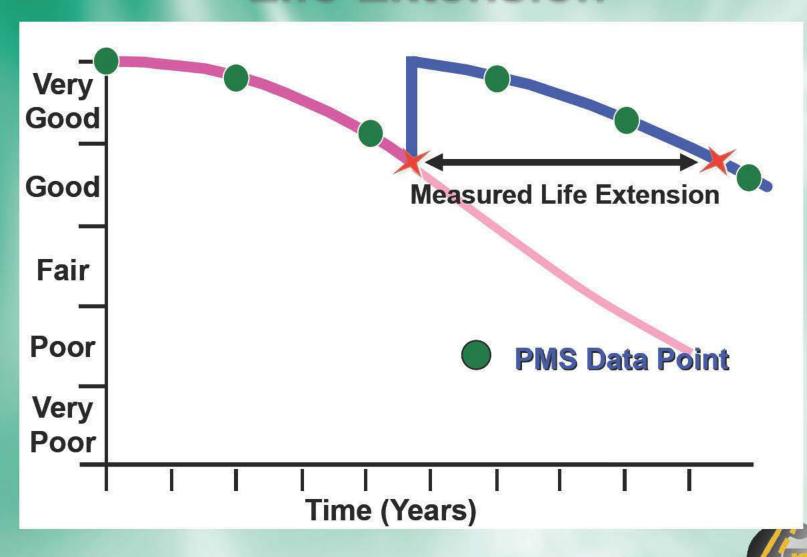




Typical Life Extensions (Years)

Treatment	Good Condition (PCI=80)	Fair Condition (PCI=60)	Poor Condition (PCI=40)
Crack Fill	1 - 3	0 - 2	0
Crack Seal	1 - 5	0 - 3	0
Fog Seal	1 - 3	0 - 1	0
Chip Seal	4 - 10	3 - 5	0 - 3
Micro-Surfacing	4 – 8	3 - 5	1 - 4
Thin HMA	4 - 10	3 - 7	2 - 4

Life Extension



Defining Sustainability

Sustainability means meeting present needs without compromising the ability of future generations to meet their needs.

Sustainable Development





Ecology



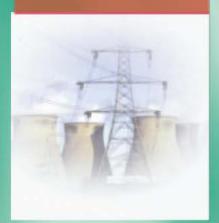
Social Responsibility





The Eco-efficiency

Energy



Risk



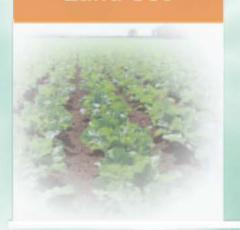
Analysis
Raw Materials



Toxicity Potential



Land Use



Emissions





AASHTO

Transportation System Preservation
Technical Services Program

TSP₂



TSP•2 Background

- Approved by the AASHTO Board of Directors on May 8, 2005 (PR-10-05)
- Created to support the research, technical, and program needs of the member States in their development of Transportation System Preservation programs
- Implemented through the National Center for Pavement Preservation at Michigan State University



Regional Pavement Preservation Partnerships













12 state DOTs & 3 Provinces

Current Chair

Tara Liske, Manitoba I & T

Task Forces

- 1. New Products and Processes
- 2. Preservation Product Performance Evaluations
- 3. Best Practices for Longitudinal Joint Construction and Maintenance
- 4. Contractor Certification
- 5. Public Communication on the Benefits of Pavement Preservation





NATIONAL PAVEMENT PRESERVATION CONFERENCE

AUGUST 27-30, 2012 | NASHVILLE, TN

ROAD TRIP: DRIVING THE MESSAGE FOR CHANGE



Treatments Demonstrated

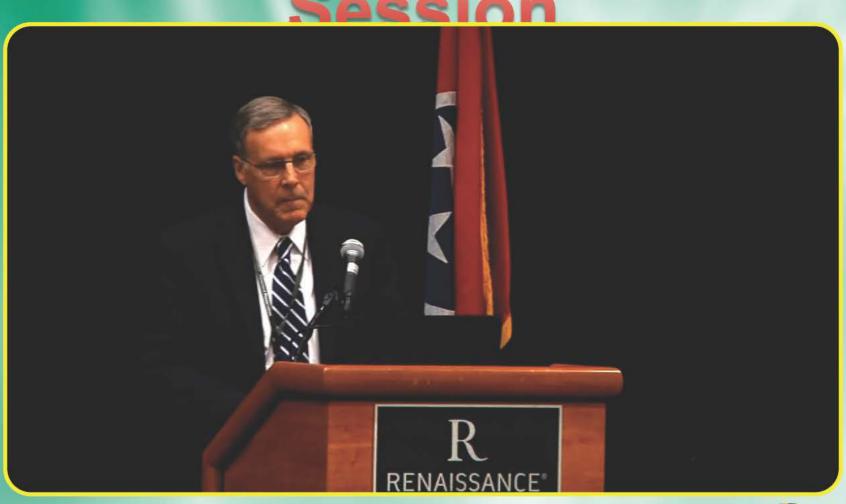
Live = 5

Pre-placed = 16

Exhibitor Displays = 47



Opening Plenary Session





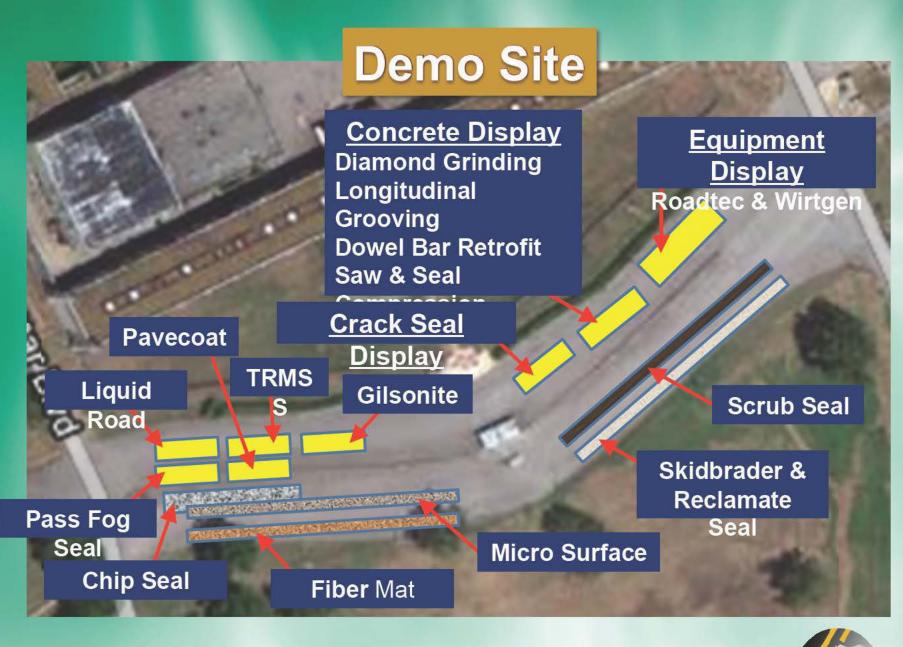
Technical Sessions



Pavement Preservation Ribbon Cutting









Live Demonstrations





Live Demonstrations





Live Demonstrations





Pre-Placed Demonstrations





Future Partnership Meetings



Northeast: April 29-May 1

Annapolis, Maryland



Southeast: May 29-31

San Antonio, Texas



Rocky Mountain West: October 7-9
Anchorage, Alaska



Midwestern: November 12-13

Indianapolis, Indiana

2016 National Pavement Preservation

Conference



Regional Bridge Preservation Partnerships











MICHIGAN STATE



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